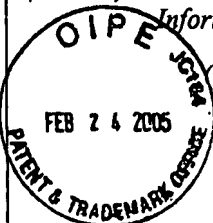


Form PTO-1449 (Substitute)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>Information Disclosure Statement</b> BY APPLICANT (Use several sheets if necessary)	Attorney Docket Number <b>BEAS-01436US2</b>	Serial/Patent Number <b>10/784,346</b>
	Applicant/Patent Owner <b>Josh Eckles et al.</b>	
	Filing/Issue Date <b>February 23, 2004</b>	Group Art Unit <b>2122</b>

**U.S. PATENTS**

Examiner Initial	Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
/TD/	6,804,686	Oct. 2004	Stone et al.			
↓	6,732,237	May 2004	Jacobs et al.			
	6,594,693	Jul. 2003	Borwankar			
	6,353,923	Mar. 2002	Bogle et al.			
	6,226,675	May 2001	Meltzer et al.			
	6,230,287	May 2001	Pinard et al.			
	6,044,217	Mar. 2000	Brealy et al.			
	6,119,149	Sep. 2000	Notani			
	5,748,975	May 1998	Van De Vanter			
	5,836,014	Nov. 1998	Faiman, Jr.			
↓	5,835,769	Nov. 1998	Jervis et al.			

**U.S. PATENT PUBLICATIONS**

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant
/TD/	2004/0225995 A1	Nov. 11, 2004	Marvin et al.
↓	2004/0133660 A1	July 8, 2004	Junghuber et al.
	2003/0110117 A1	June 12, 2003	Saidenberg et al.
	2003/0018665 A1	Jan. 23, 2003	Dovin et al.
	2002/0165936 A1	Nov. 7, 2002	Alston et al.
↓	2002/0016759 A1	Feb. 7, 2002	Macready et al.



### PENDING U.S. PATENT APPLICATIONS

Examiner Initial		Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes   No

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Publication Date	Country	Class	Subclass	Trans- lation Yes   No
/TD/		Int'l Search Report for PCT/US04/05427	Feb. 10, 2005	PCT			X
/TD/		Int'l Search Report for PCT/US04/05479	Dec. 3, 2004	PCT			X

### OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)


Examiner /Thuy Dao/ Date Considered 05/01/2007

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Form PTO-349 (Substitute)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>Information Disclosure Statement</b> BY APPLICANT (Use several sheets if necessary)	Attorney Docket Number <b>BEAS-01436US2</b>	Serial/Patent Number <b>10/784,436</b>
		Applicant/Patent Owner <b>Josh Eckels et al.</b>	
		Filing/Issue Date <b>February 23, 2004</b>	Group Art Unit <b>2122</b>

### U.S. PATENTS

Examiner Initial	Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
/TD/	5,321,841	June 14, 1994	East et al.			
↓	5,961,593	Oct. 5, 1999	Gabber et al.			
↓	6,067,623	May 23, 2000	Blakely et al.			
↓	6,338,064	Jan. 8, 2002	Ault et al.			
↓	6,604,198	Aug. 5, 2003	Beckman et al.			
↓	6,795,967	Sep. 21, 2004	Evans et al.			
↓	6,802,000	Oct. 25, 004	Greene et al.			

### U.S. PATENT PUBLICATIONS

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant
/TD/	US 2002/0078365 A1	June 20, 2002	Burnett et al.
/TD/	US 2003/0041198 A1	Feb. 27, 2003	Exton et al.

### FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country	Class	Subclass	Translation Yes   No

Examiner

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Date Considered

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FORM PTO-1449  
(Substitute)

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Attorney Docket Number

BEAS-01436US2

Serial No.

10/784,346

Applicant

Josh Eckles et al.

Filing Date

February 23, 2004

Group Art Unit

2122

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

**U.S. PATENTS**

Examiner Initial		Patent Number	Issue Date	Name	Class	Subclass	Filing Date
/TD/	1.	5,862,327	1/19/1999	Kwang			
	2.	5,950,010	9/7/1999	Hesse			
	3.	6,023,722	2/8/2000	Colyer			
	4.	6,067,548	5/23/2000	Cheng			
	5.	6,141,686	10/31/2000	Jackowski			
	6.	6,282,711	8/28/2001	Halpern			
	7.	6,230,309	3/8/2001	Turner			
	8.	6,222,533	4/24/2001	Notani			
	9.	6,237,135	5/22/2001	Timbol			
	10.	6,324,681	11/27/2001	Sebesta			
	11.	6,349,408	2/19/2002	Smith			
	12.	6,393,605	5/21/2002	Loomans			
	13.	6,549,949	4/15/2003	Bowman-Armuah			
	14.	6,721,747	4/13/2004	Lipkin			

**U.S. PATENT PUBLICATIONS**

Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
/TD/	15.	2003/0046266	3/6/2003	Mullins

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document Number	Publication Date	Country	Translation	
					Yes	No
/TD/	16.	WO 01/90884 A2	11/29/2001	PCT	✓	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

/TD/	17.	Marcello Mariucci, "Enterprise Application Server Development Environments," University of Stuttgart, Overview, 10 October 2000, pg. 1-10.
/TD/	18.	Sun Microsystems, "IPlanet Application Server 6.0 White Paper," Technical Reference Guide, 25 May 2000, all, fig. On pg. 20.
/TD/	19.	Roman, Ed. And Rickard Oberg, "The Technical Benefits of EJB and J2EE Technologies over COM+ and Windows DNA," December 1999, pp 3-5, fig. 1.

EXAMINER

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DATE CONSIDERED

05/01/2007

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FORM PTO-1449  
(Substitute)

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Attorney Docket Number

BEAS-01436US2

Serial No.

10/784,346

**INFORMATION DISCLOSURE CITATION  
BY APPLICANT**

Applicant

Josh Eckles et al.

Filing Date

February 23, 2004

Group Art Unit

2122

/TD/	20.	Hewlett-Packard, "HP Application Server," Technical Guide, version 8.0, 1999-2001, all.
/TD/	21.	Duvos, E. and Besavos, A., "An Infrastructure for the Dynamic Distribution of Web Applications and Services," Dept. of Computer Science, Boston University, December 2000, pp 4-12.

EXAMINER

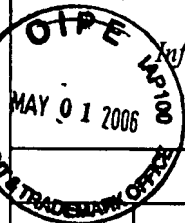
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 Information Disclosure Statement BY APPLICANT (Use several sheets if necessary)				Applicant/Patent Owner Josh Eckels, et al.			
				Filing/Issue Date February 23, 2004		Group Art Unit 2191	
<b>U.S. PATENTS</b>							
Examiner Initial		Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date
/TD/		5,801,958	Sep 1, 1998	Dangelo, et al.			
↓		5,966,535	Oct 12, 1999	Benedikt, et al.			
↓		6,028,997	Feb 22, 2000	Leymann et al.			
↓		6,029,000	Feb 22, 2000	Woolsey, et al.			

U.S. PATENT PUBLICATIONS				
Examiner Initial		Patent Application Publication Number	Publication Date	Applicant
/TD/		2002/0174241	Nov 21, 2002	Beged-Dov, et al.
/TD/		2003/0005181	Jan 2, 2003	Bau, III, et al.

OTHER DOCUMENTS (Include author (if any), title, publisher and place of publication, date and pertinent pages)	
/TD/	Kunisetty, "Workflow Modeling and Simulation Using an Extensible Object-Oriented Knowledge Base Management System," <i>CiteSeer</i> , 1996, pages 1-60.
↓	Van Der Aalst et al, "Verification of XRL: An XML-Based Workflow Language," <i>IEEE</i> , July 2001, pages 427-432.
↓	Blake, "Rule-Driven Coordination Agents: A Self-Configurable Agent Architecture for Distributed Control," <i>IEEE</i> , March 2001, pages 271-277.
↓	Dahalin et al, "Workflow Interoperability Using Extensible Markup Language (XML)," <i>IEEE</i> , July 2002, pages 513-516.
Examiner	/Thuy Dao/
Date Considered	05/01/2007
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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Application Number	10784346
Filing Date	2004-02-23
First Named Inventor	Josh Eckels
Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	BEAS-01436US2 SRM/DTX

**U.S. PATENTS**[Remove](#)

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/TD/ ↓ ↓ ↓ ↓ ↓ ↓	1	5867822		1999-02-02	Sankar, Sriram	
	2	6092102		2000-07-18	Wagner, Michael M.	
	3	6567738		2003-05-20	Gopp et al.	
	4	6687702		2004-02-03	Vaitheeswaran et al.	
	5	6757689		2004-06-29	Battas et al.	
	6	6959307		2005-10-25	Apte, Ajay Arvind	

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Application Number	10784346
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First Named Inventor	Josh Eckels
Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	BEAS-01436US2 SRM/DTX

/TD/	1	20020010781		2002-01-24	Tuatini, Jeffrey Taihana	
	2	20020174178		2002-11-21	Stawikowski, Jean-Marie	
	3	20020194267		2002-12-19	Flesner et al.	
	4	20020194495		2002-12-19	Gladstone, et al.	
	5	20030018832		2003-01-23	Amirisetty et al.	

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**NON-PATENT LITERATURE DOCUMENTS**

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/TD/	1	Erich Liebmann, et al., "Adaptive Data Dissemination and Caching for Edge Service Architectures Built with the J2EE", March 2004, ACM Press, 2004 ACM Symposium on Applied Computing, pages 1717-1724	<input type="checkbox"/>

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**INFORMATION DISCLOSURE  
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Application Number	10784346
Filing Date	2004-02-23
First Named Inventor	Josh Eckels
Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	BEAS-01436US2 SRM/DTX

**EXAMINER SIGNATURE**

Examiner Signature	/Thuy Dao/	Date Considered	05/01/2007
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****( Not for submission under 37 CFR 1.99)**

Application Number	10784346
Filing Date	2004-02-23
First Named Inventor	Josh Eckels
Art Unit	2191
Examiner Name	Unknown
Attorney Docket Number	BEAS-01436US2 SRM/DTX

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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
- ☐ None

**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/David T. Xue/	Date (YYYY-MM-DD)	2006-12-18
Name/Print	David T. Xue	Registration Number	54,554

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